

REPLACES  
PAT 34 AND 1

Patent Claims

1. Flat, flexible laminated composite material,  
characterised by a liquid-impermeable layer (14) and a  
liquid-absorbent layer (16) bonded to the latter.
2. Laminated composite material according to claim 1,  
characterised in that the liquid-impermeable layer is  
a sheet (14).
3. Laminated composite material according to claim 1 or  
2, characterised in that the liquid-absorbent layer  
(16) has a pile (22), preferably of cotton fibres  
(24).
4. Laminated composite material according to claim 3,  
characterised in that the liquid-absorbent layer (16)  
comprises a fleecy material.
5. Laminated composite material according to claim 1 or  
2, characterised in that the liquid-absorbent layer  
(16) is a fleece layer.
6. Laminated composite material according to one of the  
preceding claims, characterised in that the liquid-  
absorbent layer (16) contains microcapsules (28) that  
are filled with a substance (32) and that have a  
covering (30) that can be degraded or destroyed by  
pressure, temperature or moisture.
7. Laminated composite material according to claim 6 in  
conjunction with claim 3, characterised in that the  
microcapsules (28) adhere to the fibres (24) of the  
pile (22), preferably via a bonding agent (26).

8. Laminated composite material according to one of the preceding claims, characterised in that a support layer (12) carries the liquid-impermeable layer (14).
- 5 9. Laminated composite material according to claim 8, characterised in that the support layer (12) is a flexible network layer (34).
- 10 10. Laminated composite material according to claim 9, characterised in that the flexible network layer (34) consists of a material having a high degree of friction, in particular rubber.
- 15 11. Laminated composite material according to one of the preceding claims, characterised in that a liquid-permeable, preferably hydrophobic cover layer (18) for the liquid-absorbent layer (16) is provided on the side remote from the liquid-impermeable layer (14), the said cover layer being joined to the liquid-absorbent layer (16).
- 20 12. Laminated composite material according to claim 11, characterised in that the cover layer (18) is bonded to the liquid-absorbent layer (16), the bonding agent being provided on a plurality of bonding positions (36) spaced apart from one another and distributed over the surface of the laminated composite material (10).
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